

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P950954

Luminaire Tested: **GLAN-SB5B-730-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P950954  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5B-730-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 24084 lumens  
Efficiency: N/A  
Efficacy: 131.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G3

Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

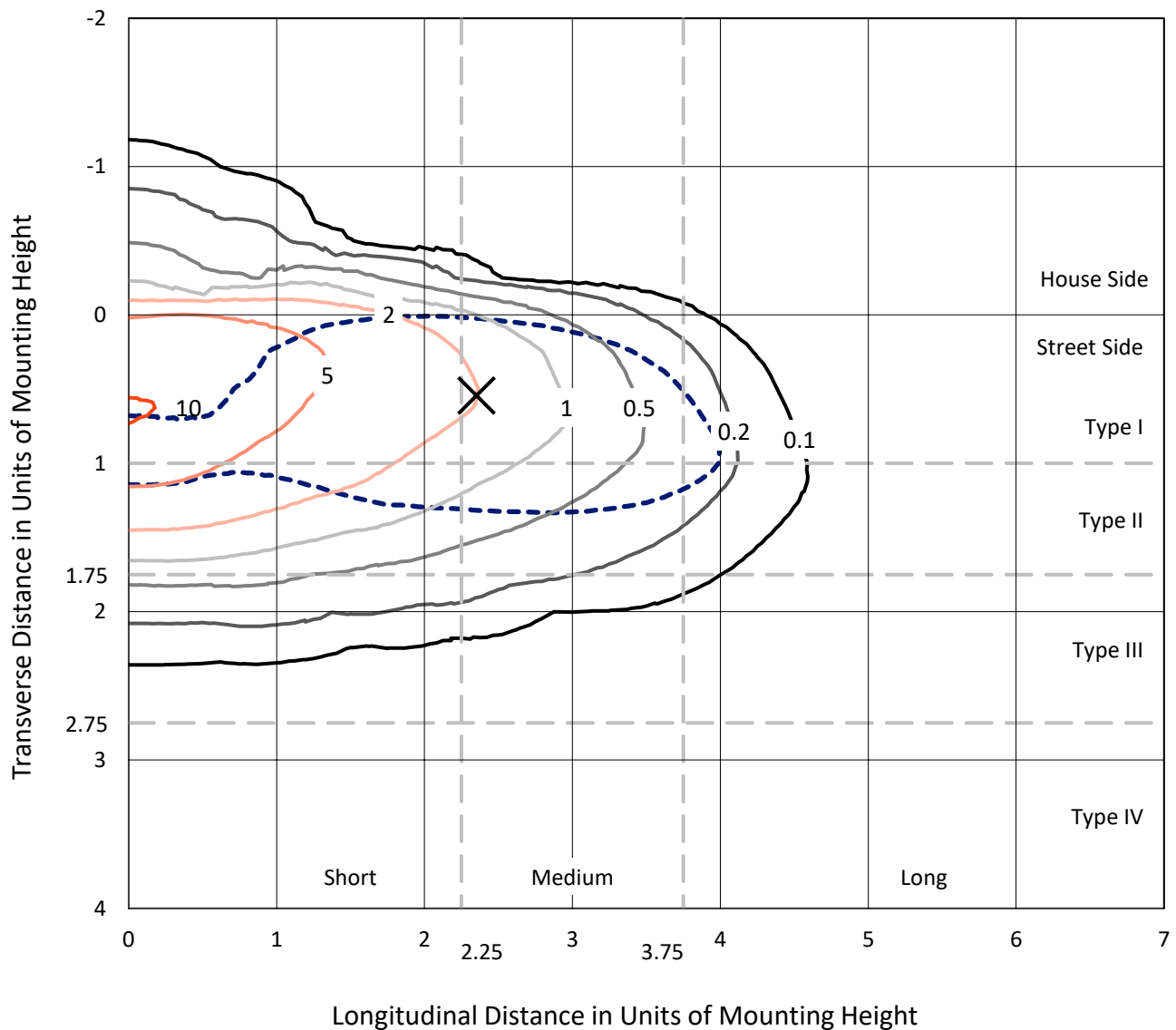


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## Iso-Footcandle Lines of Horizontal Illumination

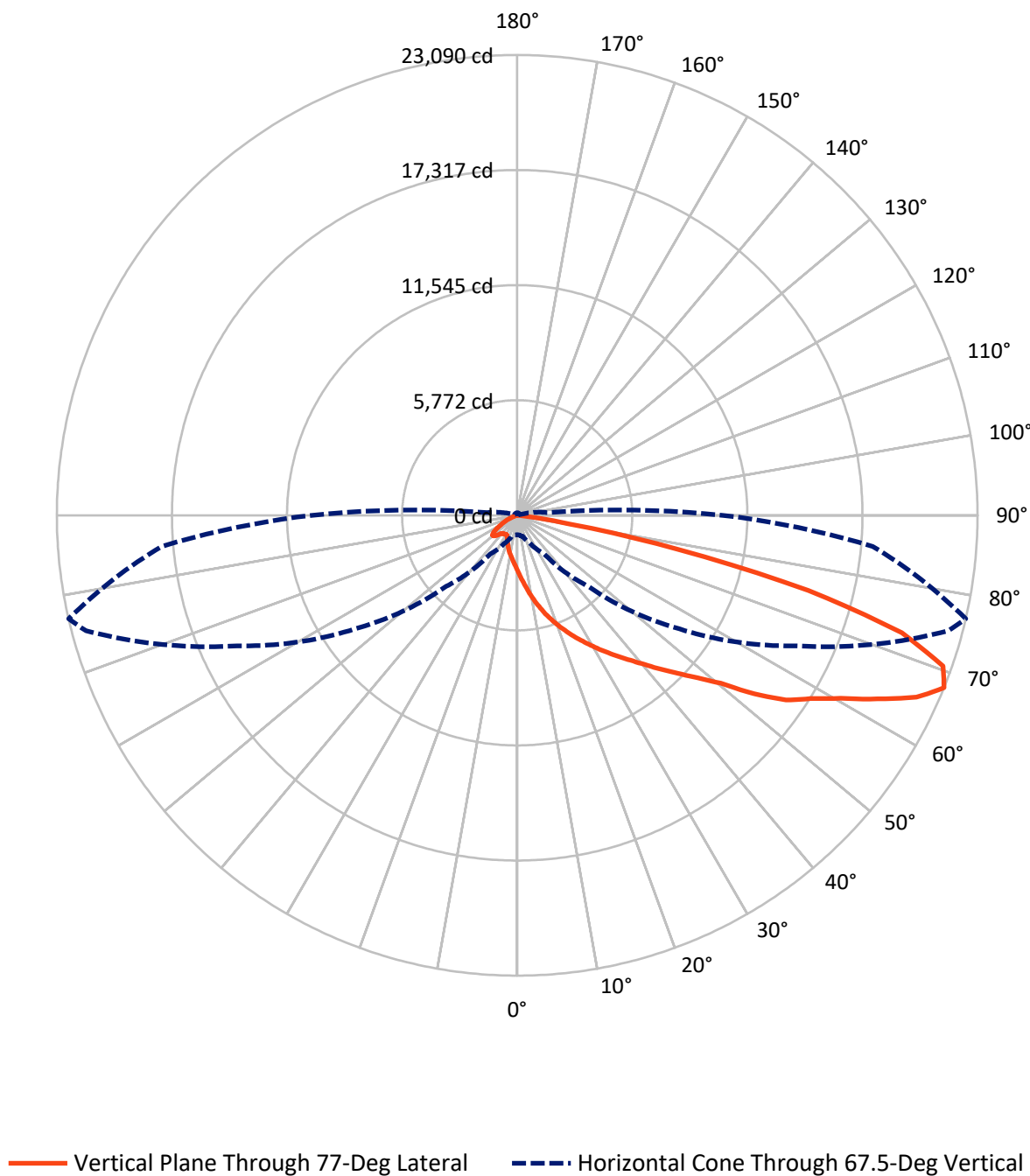
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1771.9   | 0.0    | 1771.9  |
|                    | % Fixture | 7.4      | 0.0    | 7.4     |
| <b>Street Side</b> | Lumens    | 22312.1  | 0.0    | 22312.1 |
|                    | % Fixture | 92.6     | 0.0    | 92.6    |
| <b>Total</b>       | Lumens    | 24084.0  | 0.0    | 24084.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 283.5   | 1.2       |
| 10°-20°   | 992.7   | 4.1       |
| 20°-30°   | 1915.5  | 8.0       |
| 30°-40°   | 3325.5  | 13.8      |
| 40°-50°   | 4828.4  | 20.0      |
| 50°-60°   | 5544.9  | 23.0      |
| 60°-70°   | 4814.0  | 20.0      |
| 70°-80°   | 2267.4  | 9.4       |
| 80°-90°   | 112.1   | 0.5       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 24084.0 | 100.0     |
| 0°-180°   | 24084.0 | 100.0     |

**Coefficient of Utilization**



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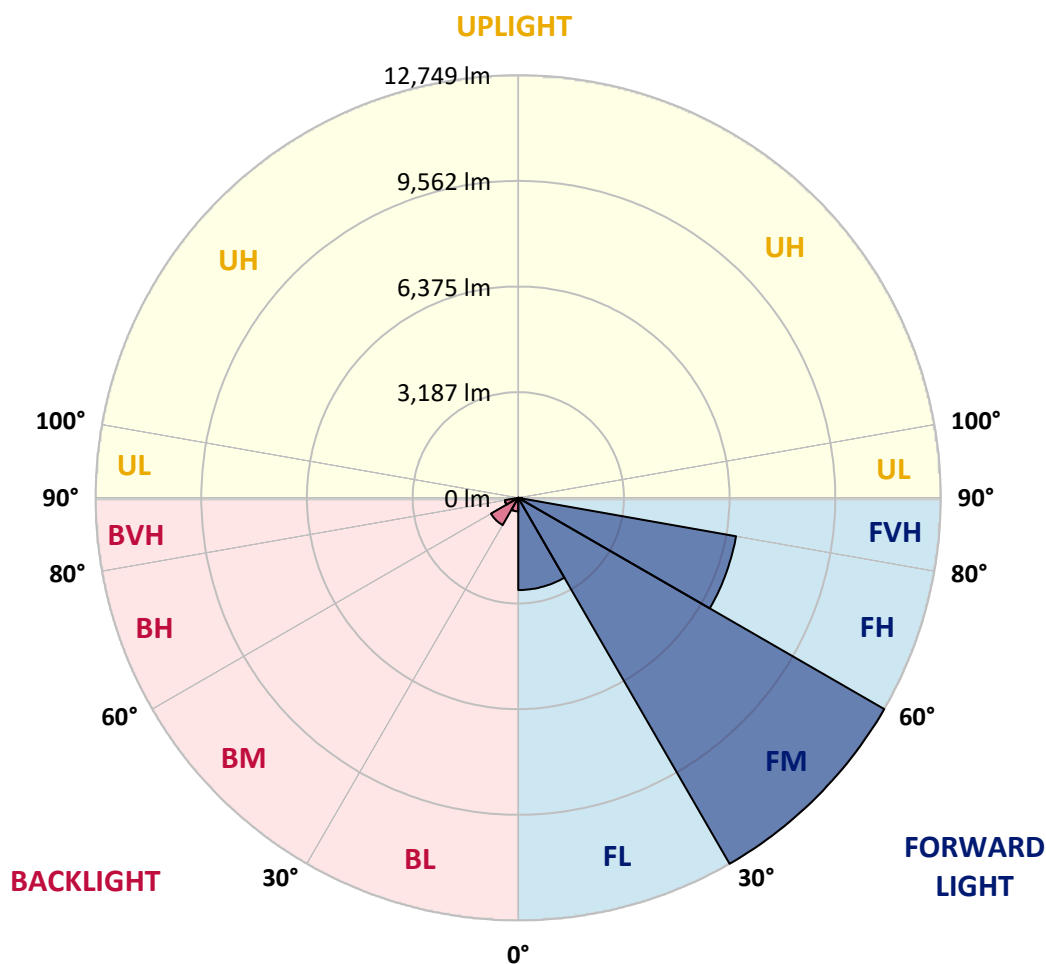
CATALOG NUMBER: GLAN-SB5B-730-U-T2R-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2781.4  | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 12749.4 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 6671.2  | 27.7      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 110.1   | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 410.2   | 1.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 949.4   | 3.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 410.2   | 1.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.1     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2777.2  | 2777.2  | 2777.2  | 2777.2  | 2777.2  | 2777.2  | 2777.2  | 2777.2  | 2777.2  | 2777.2  |
| 2.5°  | 3845.1  | 3869.0  | 3834.6  | 3768.8  | 3670.1  | 3605.8  | 3448.7  | 3300.7  | 3136.2  | 3083.8  |
| 5°    | 4687.1  | 4708.0  | 4669.1  | 4597.3  | 4465.7  | 4340.1  | 4133.7  | 3824.1  | 3502.6  | 3399.4  |
| 7.5°  | 5310.7  | 5322.7  | 5307.7  | 5241.9  | 5116.3  | 4974.2  | 4743.9  | 4377.5  | 3900.4  | 3786.7  |
| 10°   | 5759.4  | 5798.3  | 5793.8  | 5768.3  | 5684.6  | 5569.4  | 5324.2  | 4906.9  | 4346.1  | 4199.5  |
| 12.5° | 6057.0  | 6100.4  | 6125.8  | 6182.6  | 6178.1  | 6104.8  | 5889.5  | 5448.3  | 4790.3  | 4618.3  |
| 15°   | 6143.7  | 6190.1  | 6287.3  | 6418.9  | 6535.6  | 6572.9  | 6421.9  | 5979.2  | 5279.3  | 5059.5  |
| 17.5° | 6094.4  | 6166.2  | 6282.8  | 6490.7  | 6746.4  | 6915.4  | 6899.0  | 6492.2  | 5723.5  | 5472.2  |
| 20°   | 6203.5  | 6272.3  | 6363.6  | 6538.6  | 6836.2  | 7142.8  | 7265.4  | 6982.7  | 6164.7  | 5901.4  |
| 22.5° | 6807.8  | 6795.8  | 6804.8  | 6833.2  | 7011.1  | 7314.7  | 7567.5  | 7428.4  | 6601.4  | 6332.2  |
| 25°   | 7764.9  | 7711.1  | 7619.8  | 7465.8  | 7420.9  | 7567.5  | 7830.7  | 7823.2  | 7062.0  | 6773.4  |
| 27.5° | 8862.6  | 8853.7  | 8639.8  | 8268.9  | 8059.5  | 8002.7  | 8128.3  | 8207.6  | 7518.1  | 7210.1  |
| 30°   | 9914.0  | 9937.9  | 9649.3  | 9236.5  | 8852.2  | 8629.3  | 8515.7  | 8572.5  | 7981.8  | 7681.2  |
| 32.5° | 10829.3 | 10854.7 | 10540.6 | 10057.6 | 9582.0  | 9312.8  | 9073.5  | 8932.9  | 8487.3  | 8159.7  |
| 35°   | 11602.5 | 11627.9 | 11267.5 | 10733.6 | 10226.6 | 9982.8  | 9712.1  | 9327.8  | 8995.7  | 8690.7  |
| 37.5° | 12293.4 | 12286.0 | 11802.9 | 11264.5 | 10766.5 | 10573.5 | 10431.5 | 9813.8  | 9519.2  | 9224.6  |
| 40°   | 12701.7 | 12733.1 | 12320.4 | 11726.6 | 11243.6 | 11103.0 | 11094.0 | 10416.5 | 10123.4 | 9837.7  |
| 42.5° | 12821.4 | 12876.7 | 12577.6 | 12090.0 | 11651.8 | 11499.3 | 11734.1 | 11068.6 | 10826.3 | 10548.1 |
| 45°   | 12606.0 | 12659.8 | 12523.7 | 12185.8 | 11930.0 | 11831.3 | 12284.5 | 11744.6 | 11577.1 | 11301.9 |
| 47.5° | 11977.9 | 12045.2 | 12078.1 | 12006.3 | 12003.3 | 12103.5 | 12778.0 | 12456.4 | 12468.4 | 12187.2 |
| 50°   | 10762.0 | 10875.7 | 11177.8 | 11432.0 | 11825.3 | 12318.9 | 13258.1 | 13228.2 | 13473.4 | 13231.1 |
| 52.5° | 8551.6  | 8713.1  | 9754.0  | 10449.4 | 11333.3 | 12278.5 | 13786.0 | 14466.5 | 15236.7 | 14882.2 |
| 55°   | 6872.1  | 6872.1  | 7718.5  | 9019.7  | 10373.1 | 12012.3 | 14016.3 | 15271.1 | 16437.6 | 16353.9 |
| 57.5° | 5602.3  | 5669.6  | 6209.5  | 7359.6  | 8983.8  | 11378.2 | 14158.4 | 15776.6 | 17405.2 | 17343.9 |
| 60°   | 3457.7  | 3602.8  | 4622.7  | 5757.9  | 7403.0  | 10249.0 | 14068.7 | 16288.1 | 18579.2 | 18628.6 |
| 62.5° | 1947.2  | 2001.0  | 2455.7  | 4142.7  | 5756.4  | 8731.0  | 13382.2 | 16573.7 | 20080.8 | 20290.1 |
| 65°   | 1344.5  | 1371.4  | 1546.4  | 2578.3  | 3990.1  | 6951.3  | 12040.7 | 16395.7 | 21585.3 | 22008.5 |
| 67.5° | 976.6   | 990.1   | 1099.2  | 1574.8  | 2367.5  | 5040.0  | 9937.9  | 15498.4 | 22382.4 | 23089.8 |
| 70°   | 750.8   | 759.7   | 839.0   | 1034.9  | 1398.3  | 3110.7  | 7217.5  | 13714.2 | 21805.1 | 22650.1 |
| 72.5° | 610.2   | 619.2   | 680.5   | 765.7   | 927.2   | 1839.5  | 4374.5  | 11137.4 | 19256.7 | 20169.0 |
| 75°   | 514.5   | 526.4   | 581.8   | 637.1   | 726.8   | 1181.5  | 2051.9  | 7755.9  | 14481.4 | 15079.6 |
| 77.5° | 285.7   | 263.2   | 472.6   | 527.9   | 613.2   | 747.8   | 960.1   | 4564.4  | 8110.4  | 8276.4  |
| 80°   | 178.0   | 184.0   | 375.4   | 424.7   | 471.1   | 376.9   | 439.7   | 1757.3  | 2811.6  | 2671.1  |
| 82.5° | 10.5    | 23.9    | 288.6   | 306.6   | 323.0   | 161.5   | 166.0   | 596.7   | 677.5   | 622.1   |
| 85°   | 0.0     | 0.0     | 131.6   | 106.2   | 112.2   | 46.4    | 47.9    | 139.1   | 91.2    | 98.7    |
| 87.5° | 0.0     | 0.0     | 0.0     | 3.0     | 0.0     | 4.5     | 9.0     | 12.0    | 4.5     | 6.0     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2777.2  | 0°    | 2777.2  | 2777.2 | 2777.2 | 2777.2 | 2777.2 | 2777.2 | 2777.2 | 2777.2 | 2777.2 | 2777.2 |
| 2919.3  | 2.5°  | 2814.6  | 2709.9 | 2497.6 | 2289.7 | 2120.7 | 1963.7 | 1851.5 | 1745.3 | 1691.5 | 1688.5 |
| 3107.8  | 5°    | 2899.9  | 2680.0 | 2255.3 | 1879.9 | 1577.8 | 1335.5 | 1178.5 | 1066.3 | 1009.5 | 990.1  |
| 3339.6  | 7.5°  | 3019.5  | 2689.0 | 2042.9 | 1521.0 | 1165.0 | 957.2  | 867.4  | 831.5  | 819.6  | 806.1  |
| 3601.3  | 10°   | 3170.6  | 2709.9 | 1853.0 | 1224.9 | 918.3  | 813.6  | 777.7  | 762.7  | 753.8  | 744.8  |
| 3895.9  | 12.5° | 3339.6  | 2729.4 | 1664.5 | 1017.0 | 807.6  | 753.8  | 728.3  | 710.4  | 698.4  | 688.0  |
| 4198.0  | 15°   | 3504.1  | 2741.3 | 1468.6 | 871.9  | 750.8  | 707.4  | 680.5  | 661.0  | 644.6  | 632.6  |
| 4494.1  | 17.5° | 3667.1  | 2757.8 | 1284.7 | 785.2  | 704.4  | 661.0  | 634.1  | 610.2  | 596.7  | 583.3  |
| 4805.2  | 20°   | 3848.1  | 2754.8 | 1111.2 | 723.8  | 658.0  | 614.7  | 586.3  | 563.8  | 550.4  | 535.4  |
| 5134.2  | 22.5° | 4015.6  | 2739.9 | 958.6  | 671.5  | 610.2  | 568.3  | 536.9  | 514.5  | 501.0  | 489.0  |
| 5470.7  | 25°   | 4208.5  | 2727.9 | 831.5  | 623.6  | 565.3  | 523.4  | 489.0  | 468.1  | 453.2  | 442.7  |
| 5808.7  | 27.5° | 4393.9  | 2709.9 | 738.8  | 580.3  | 521.9  | 481.6  | 448.7  | 424.7  | 411.3  | 403.8  |
| 6157.2  | 30°   | 4576.4  | 2705.5 | 704.4  | 538.4  | 483.1  | 442.7  | 409.8  | 387.3  | 376.9  | 373.9  |
| 6540.0  | 32.5° | 4796.2  | 2717.4 | 719.4  | 523.4  | 447.2  | 406.8  | 375.4  | 358.9  | 348.5  | 348.5  |
| 6966.3  | 35°   | 5031.0  | 2714.4 | 741.8  | 536.9  | 423.2  | 370.9  | 347.0  | 336.5  | 326.0  | 326.0  |
| 7438.9  | 37.5° | 5325.7  | 2718.9 | 759.7  | 559.3  | 414.3  | 341.0  | 327.5  | 314.1  | 308.1  | 308.1  |
| 7956.3  | 40°   | 5765.4  | 2867.0 | 750.8  | 578.8  | 411.3  | 320.0  | 293.1  | 288.6  | 284.2  | 284.2  |
| 8541.1  | 42.5° | 6303.7  | 3188.5 | 762.7  | 580.3  | 409.8  | 305.1  | 269.2  | 278.2  | 267.7  | 266.2  |
| 9200.6  | 45°   | 6893.0  | 3540.0 | 839.0  | 548.9  | 408.3  | 297.6  | 257.2  | 267.7  | 251.3  | 251.3  |
| 9964.9  | 47.5° | 7477.8  | 3888.4 | 916.8  | 504.0  | 403.8  | 296.1  | 246.8  | 240.8  | 236.3  | 237.8  |
| 10960.9 | 50°   | 8283.9  | 4172.6 | 946.7  | 442.7  | 393.3  | 293.1  | 227.3  | 228.8  | 225.8  | 228.8  |
| 12365.2 | 52.5° | 9161.7  | 4232.4 | 910.8  | 373.9  | 363.4  | 284.2  | 213.9  | 219.8  | 218.4  | 221.3  |
| 13353.8 | 55°   | 9709.1  | 4168.1 | 752.3  | 311.1  | 317.1  | 248.3  | 200.4  | 212.4  | 212.4  | 212.4  |
| 14319.9 | 57.5° | 10274.4 | 3894.4 | 533.9  | 252.7  | 263.2  | 203.4  | 188.4  | 204.9  | 203.4  | 201.9  |
| 15483.4 | 60°   | 10681.2 | 3451.7 | 351.5  | 207.9  | 209.4  | 167.5  | 175.0  | 192.9  | 191.4  | 184.0  |
| 16682.9 | 62.5° | 10984.8 | 2962.7 | 225.8  | 176.5  | 160.0  | 151.1  | 160.0  | 175.0  | 169.0  | 152.5  |
| 17699.9 | 65°   | 10950.4 | 2285.2 | 173.5  | 151.1  | 131.6  | 131.6  | 139.1  | 152.5  | 134.6  | 107.7  |
| 17894.3 | 67.5° | 10311.8 | 1546.4 | 143.6  | 127.1  | 110.7  | 109.2  | 115.2  | 127.1  | 115.2  | 91.2   |
| 16898.2 | 70°   | 9170.7  | 1011.0 | 115.2  | 98.7   | 88.2   | 80.8   | 92.7   | 109.2  | 97.2   | 73.3   |
| 14385.7 | 72.5° | 7443.4  | 616.2  | 86.7   | 71.8   | 64.3   | 52.3   | 73.3   | 89.7   | 77.8   | 53.8   |
| 10003.7 | 75°   | 4815.7  | 314.1  | 59.8   | 46.4   | 34.4   | 31.4   | 53.8   | 67.3   | 53.8   | 32.9   |
| 4438.8  | 77.5° | 1842.5  | 131.6  | 32.9   | 20.9   | 17.9   | 15.0   | 29.9   | 40.4   | 22.4   | 7.5    |
| 859.9   | 80°   | 354.4   | 55.3   | 16.5   | 10.5   | 9.0    | 6.0    | 4.5    | 3.0    | 0.0    | 0.0    |
| 152.5   | 82.5° | 61.3    | 17.9   | 6.0    | 3.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 29.9    | 85°   | 20.9    | 3.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 10.5    | 87.5° | 7.5     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 0.0     | 90°   | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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| 180°   |
|--------|
| 2777.2 |
| 1685.5 |
| 987.1  |
| 803.1  |
| 741.8  |
| 685.0  |
| 631.1  |
| 581.8  |
| 533.9  |
| 487.5  |
| 441.2  |
| 403.8  |
| 372.4  |
| 348.5  |
| 326.0  |
| 308.1  |
| 284.2  |
| 264.7  |
| 251.3  |
| 237.8  |
| 228.8  |
| 221.3  |
| 212.4  |
| 201.9  |
| 184.0  |
| 149.6  |
| 104.7  |
| 88.2   |
| 70.3   |
| 50.8   |
| 28.4   |
| 6.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |